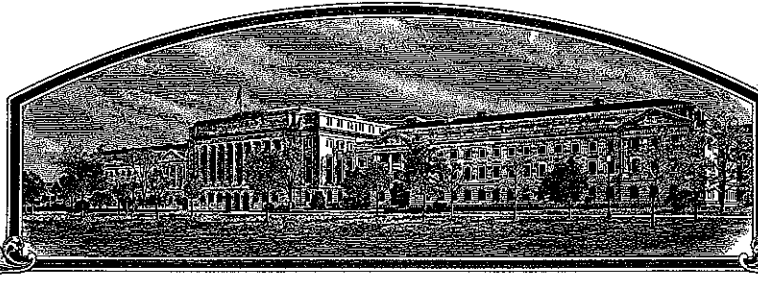


No.

200800069



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Florida Agricultural Experiment Station

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IN THE UNITED STATES SEED OF THIS VARIETY SHALL BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE REQUIREMENTS OF GENERATIONS SPECIFIED BY THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET

PEANUT

'Florida-07'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this fifth day of June, in the year two thousand and eight.

Attest:

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Secretary of Agriculture

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE
(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF OWNER Florida Agricultural Experiment Station		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME UF04327	3. VARIETY NAME Florida-07
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) Office of the Dean for Research, University of Florida, IFAS 1022 McCarty Hall PO Box 110200 Gainesville, FL 32611-0200		5. TELEPHONE (include area code) 352-392-1784	FOR OFFICIAL USE ONLY PVPO NUMBER #200800069 FILING DATE January 14, 2008
		6. FAX (include area code) 352-392-4965	
7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) Public University	8. IF INCORPORATED, GIVE STATE OF INCORPORATION N/A	9. DATE OF INCORPORATION	
10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers) Barry L. Tillman & Daniel W. Gorbet North Florida REC 3925 Highway 71 Marianna, FL 32446			FILING AND EXAMINATION FEES: \$ 4382 - DATE 1/14/08 CERTIFICATION FEE: \$ 768 - DATE 4/29/2008
11. TELEPHONE (include area code) 850-482-1226	12. FAX (include area code) 850-482-9917	13. E-MAIL btillman@ufl.edu	
14. CROP KIND (Common Name) Peanut	16. FAMILY NAME (Botanical) Fabaceae	18. DOES THE VARIETY CONTAIN ANY TRANSGENES? (OPTIONAL) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF SO, PLEASE GIVE THE ASSIGNED USDA-APHIS REFERENCE NUMBER FOR THE APPROVED PETITION TO DEREGULATE THE GENETICALLY MODIFIED PLANT FOR COMMERCIALIZATION.	
15. GENUS AND SPECIES NAME OF CROP Arachis hypogaea L.	17. IS THE VARIETY A FIRST GENERATION HYBRID? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
19. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse) a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of Variety d. <input checked="" type="checkbox"/> Exhibit D. Additional Description of the Variety (Optional) e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Owner's Ownership f. <input checked="" type="checkbox"/> Exhibit F. Declaration Regarding Deposit g. <input checked="" type="checkbox"/> Voucher Sample (3,000 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository) h. <input checked="" type="checkbox"/> Filing and Examination Fee (\$4,382), made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office)		20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? (See Section 83(a) of the Plant Variety Protection Act) <input checked="" type="checkbox"/> YES (If "yes", answer items 21 and 22 below) <input type="checkbox"/> NO (If "no", go to item 23) 21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, WHICH CLASSES? <input checked="" type="checkbox"/> FOUNDATION <input checked="" type="checkbox"/> REGISTERED <input checked="" type="checkbox"/> CERTIFIED 22. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, SPECIFY THE NUMBER 1,2,3, etc. FOR EACH CLASS. <input type="checkbox"/> 1 FOUNDATION <input type="checkbox"/> 1 REGISTERED <input type="checkbox"/> 1 CERTIFIED (If additional explanation is necessary, please use the space indicated on the reverse.)	
23. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO May 2007 IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.)		24. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)	
25. The owners declare that a viable sample of basic seed of the variety has been furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate. The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believes(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act. Owner(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.			
SIGNATURE OF OWNER Daniel W. Gorbet & Barry L. Tillman		SIGNATURE OF OWNER Mark R. McLellan	
NAME (Please print or type) Daniel W. Gorbet & Barry L. Tillman		NAME (Please print or type) Mark R. McLellan	
CAPACITY OR TITLE Professor and Assistant Professor	DATE 12-17-2007	CAPACITY OR TITLE Dean for Research	DATE 12-20-07

(See reverse for instructions and information collection burden statement)

GENERAL INSTRUCTIONS: To be effectively filed with the Plant Variety Protection Office (PVPO), **ALL** of the following items must be **received** in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E, F; (3) for a tuber reproduced variety, verification that a viable (*in the sense that it will reproduce an entire plant*) tissue culture will be deposited and maintained in an approved public repository; and (4) payment by credit card or check drawn on a U.S. bank for \$4,382 (\$518 filing fee and \$3,864 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice). **NEW:** With the application for a seed reproduced variety or by direct deposit soon after filing, the applicant must provide at least 3,000 viable untreated seeds of the variety *per se*, and for a hybrid variety at least 3,000 untreated seeds of each line necessary to reproduce the variety. Partial applications will be held in the PVPO for not more than 90 days; then returned to the applicant as un-filed. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. **DO NOT** use masking materials to make corrections. If a certificate is allowed, you will be requested to send a payment by credit card or check payable to "Treasurer of the United States" in the amount of \$768 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. The fees for filing a change of address; owner's representative; ownership or assignment; or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

Plant Variety Protection Office
Telephone: (301) 504-5518 **FAX:** (301) 504-5291
General E-mail: PVPOmail@usda.gov
Homepage: <http://www.ams.usda.gov/science/pvpo/PVIndex.htm>

SPECIFIC INSTRUCTIONS:

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority and **provide evidence** that the permanent name of the application variety (even if it is a parental, inbred line) has been cleared by the appropriate recognized authority before the Certificate of Protection is issued. For example, for agricultural and vegetable crops, contact: U.S. Department of Agriculture, Agricultural Marketing Service, Livestock and Seed Programs, **Seed Regulatory and Testing Branch**, 801 Summit Crossing Place, Suite C, Gastonia, North Carolina 28054-2193 Telephone: (704) 810-8870. <http://www.ams.usda.gov/lsg/seed.htm>.

ITEM

- 19a. Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
 (2) the details of subsequent stages of selection and multiplication;
 (3) evidence of uniformity and stability; and
 (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 19b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
 (1) identify these varieties and state all differences objectively;
 (2) attach replicated statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 19c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 19d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 19e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
20. If "Yes" is specified (*seed of this variety be sold by variety name only, as a class of certified seed*), the applicant **MAY NOT** reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
23. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
24. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.

22. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)

Florida-07 may be propagated as follows Foundation from Breeder, Registered from Foundation, Certified from Registered. Under some circumstances, we will allow reclassification of Registered seed and Certified seed.

23. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

The first sale of Foundation seed occurred in May of 2007

24. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

Covered by US Patents: 6,121,472 issued September 19, 2000; 6,063,984 issued May 16, 2000 and 5,922,390 issued July 13, 1999

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD).

To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

Exhibit A - Breeding History of Florida-07

Florida-07 (UF04327) came from a cross made in the greenhouse at Marianna, Florida in 1996. The purpose of the cross was to incorporate the "high oleic" oil chemistry into material to select for good pod/seed yield and grades, medium maturity, resistance to multiple diseases (tomato spotted wilt virus, late leafspot – (*C. personatum*), and white mold (*S. rolfsii*) with the improved oil chemistry. A pedigree selection program was followed in the F₁ – F₆ under unsprayed (no leafspot control) production/management. Florida-07 originates from a high oleic seed (HO3) from an F₁ plant from which individual seed were analyzed for fatty acid oil chemistry. HO3 was a "high oleic" seed (80 ± % 18:1). Single plant selections were made under unsprayed conditions in the F₂ – F₆. Florida 07 was first yield tested at Marianna in 2003 with seed being bulked from three F₆ plants in a two rep test.

Pedigree: UF04327= [(89x OL14-11-1-1-1-b2-B)x C-99R]

The female parent was an advanced FAES early maturity "high oleic" breeding line that had Marc I as a parent. The male parent was the late maturity multiple disease resistant cultivar C-99R. The high oleic trait in the female parent originates from F435 – HO1 which is an unreleased FAES breeding line. The high oleic trait in F435 was first reported by Norden, et al. in 1987 (Peanut Science). This trait provides improved oil chemistry with longer shelf-life and healthier oil. The male parent (C-99R) is a multiple disease resistant (*C. personatum*), tomato spotted wilt virus (TSWV), *S. rolfsii* cultivar released by the FAES in 1999. C-99R is late maturing (150 ± d) with normal oil (50%) chemistry (18:1 ~ 57%). Florida-07 is a jumbo-runner market-type peanut with prostrate growth habit (*Arachis hypogaea hypogaea* L.). Florida 07 has medium dark green leaves and vines, similar to C-99R. Seed of Florida-07 are light pink in color and somewhat larger than C-99R and Hull.

Florida-07 was first placed in unsprayed yield tests at Marianna in 2003 and was in the Uniform Peanut Performance Test (UPPT) in 2005. It was tested at Marianna, Gainesville, and Jay in Florida with excellent pod yields, good grades, and good TSWV resistance, with the high oleic seed oil chemistry. It was in Florida yield tests 2003-2007. It has consistently shows good to excellent pod yields with the high oleic chemistry and multiple disease resistance. Florida-07 has been observed to be stable and uniform as constituted in 2003 (three F₆ plants) for five generations (F₆ through F₁₀) with no observed variants.

Ref.

- 1) Gorbet D.W. 2007. Registration of 'Hull' peanut. J. of Plt. Reg. 1:125-126.
- 2) Gorbet, D.W., and F.M. Shokes. 2002. Registration of 'C-99R' peanut. Crop Sci. 42:2207.
- 3) Norden, A.J., D.W. Gorbet, and D.A. Knauff. 1987. Variability in oil quality among peanut genotypes in the Florida breeding program. Peanut Sci. 14:7-11.

Exhibit B – Statement of Distinctiveness of Florida- 07

Florida-07 is most similar to Hull. Both have multiple disease resistance with high oleic oil chemistry and medium-late maturity. A distinguishing feature of Florida-07 compared to Hull is its pod size. In comparison to Hull, Florida-07 has consistently demonstrated a higher percentage of virginia pods as shown in Table 1. Florida-07 has, on average, 49.4% virginia pods whereas Hull has, on average, 16.2% virginia pods.

Table 1. Comparison of the percentage of virginia pods of Florida-07 and Hull over five years and two locations in Florida.

Test	Year	Location	Percentage of virginia pods			
			Florida-07	Hull	Difference	LSD (0.05)
03M31	2003	Marianna	17.5	> 7.2	10.4	2.3
04FT5-GV	2004	Gainesville	77.7	> 25.2	52.5	10.5
04FT7-GV	2004	Gainesville	75.6	> 39.0	36.6	7.6
04FT5-MR	2004	Marianna	55.1	> 8.8	46.3	6.5
04FT7-MR	2004	Marianna	39.3	> 6.6	32.8	8.2
04M21	2004	Marianna	44.5	> 2.8	41.8	4.2
04M23	2004	Marianna	23.1	> 10.1	13.1	1.4
04M30	2004	Marianna	38.7	> 10.2	28.6	4.9
05FT4-GV	2005	Gainesville	69.7	> 29.1	40.6	7.5
05FT7-GV	2005	Gainesville	66.8	> 32.9	33.9	8.6
05FT4-MR	2005	Marianna	37.8	> 11.4	26.5	8.1
05FT5-MR	2005	Marianna	53.1	> 17.8	35.3	8.5
05FT7-MR	2005	Marianna	58.2	> 15.4	42.8	7.6
06FT4-MR	2006	Marianna	39.6	> 11.1	28.5	8.7
07VAR-GV	2007	Gainesville	61.2	> 30.5	30.7	6.7
07VAR-MR	2007	Marianna	53.9	> 21.5	32.4	11.2
Average:			49.4	> 16.2	33.2	

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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**U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MD 20705**

Exhibit C

**OBJECTIVE DESCRIPTION OF VARIETY
Peanut (*Arachis hypogaea*)**

NAME OF APPLICANT (S) Florida Agricultural Experiment Station	TEMPORARY OR EXPERIMENTAL DESIGNATION UF04327	VARIETY NAME Florida-07
ADDRESS (Street and No. or RD No., City, State, Zip Code, and Country) Office of the Dean for Research 1022 McCarty Hall, University of Florida P.O. Box 110200 Gainesville, FL 32611-0200		FOR OFFICIAL USE ONLY PVPO NUMBER #200800069

PLEASE READ ALL INSTRUCTIONS CAREFULLY:

Place the appropriate number that describes the varietal character of this variety in the boxes below. Place a zero in the first box

e.g. or) when a number is either 99 or less or 9 or less.

1. BOTANICAL TYPE:

- Flowering on the Main Stem (At 60-70 Days After Planting): 1 = Absent (no) 2 = Present (yes) 3 = Mixed (main stem and lateral branches)
- Branching Pattern (At 60-90 Days After Planting): 1 = Alternate – Pairs of vegetative and reproductive branches (Virginia or Runner)
2 = Sequential – Continuous reproductive branches (Valencia or Spanish)
3 = Other (Specify) _____

2. PLANT (At 60-90 Days After Planting):

- Habit: 1 = Prostrate 2 = Decumbent 3 = Semi-Erect 4 = Erect
- Branching: 1 = Sparse (typical Valencia) 2 = Moderate (typical Spanish) 3 = Profuse (typical Runner or Bunch)

3. MATURITY:

- Region: 1 = Virginia, North Carolina 2 = Southeast United States 3 = Southwest United States 4 = Other
- Number of Days to Maturity
- Number of Days Earlier Than (Specify) DP-1
- Number of Days Later Than (Specify) Georgia Green

4. LEAVES:

- Color at 60 Days (Munsell Book of Color _____)
- mm Leaflet Length (Basal Leaflet of the Youngest Fully Opened Leaf)
- Leaflet Length/Width Ratio
- 1=Light Green (10gy 6/9)
2= Medium Green (2.5G 5/9)
3=Dark green (5G 4/7)
4= Other (Specify)

5. **POD** (Average for 20 pods at maturity):

<input type="text" value="3"/> <input type="text" value="0"/>	mm Length	<input type="text" value="1"/> <input type="text" value="4"/>	mm Diameter
<input type="text" value="5"/> <input type="text" value="7"/> <input type="text" value="4"/> <input type="text" value="8"/>	KG./HA. Pod Yield		
<input type="text" value="-"/> <input type="text" value="-"/>	% Less Than (Specify) _____		
<input type="text" value="2"/> <input type="text" value="6"/>	% More Than (Specify) <u>Hull</u>		
<input type="text" value="5"/> <input type="text" value="1"/>	% Fancy Size: (% riding 13.46 mm, 34/64 Inch, Spacing Set on Presizer Roller)		
<input type="text" value="2"/>	Number of Seeds per Pod:	1 = 1	2 = 2 3 = 3 4 = 3-4 5 = 2-3-4
<input type="text" value="2"/>	Constriction:	1 = Shallow or None	2 = Medium 3 = Deep
<input type="text" value="1"/>	Surface:	1 = Glabrous	2 = Pubescent
<input type="text" value="2"/>	Beak:	1 = Absent	2 = Inconspicuous 3 = Pronounced

6. **SEED** (Mature, cured but not aged):

<input type="text" value="0"/> <input type="text" value="4"/> <input type="text" value="3"/>	Coat Color:	1 = White 6 = Red 10 = Other (Specify) _____	2 = Cream 7 = Wine	3 = Tan 8 = Dark Purple	4 = Light Pink 9 = Variegated	5 = Pink	<u>PAO 3/31/08</u>
<input type="text" value="1"/>	Coat Surface:	1 = Smooth	2 = Indented	<input type="text" value="1"/>	1 = Uniform Color	2 = Blemished	
<input type="text" value="4"/>	Shape:	1 = Spheroidal 4 = Cylindrical-tapered Ends	2 = Short Broad 5 = Cylindrical Blunt Ends	3 = Elongated-Slender 6 = Other (Specify) _____			
<input type="text" value="1"/> <input type="text" value="7"/>	mm Length	<input type="text" value="1"/> <input type="text" value="0"/>	mm Width	<input type="text" value="7"/> <input type="text" value="5"/>	Grams per 100 Seeds (8% Moisture)		

7. **DISEASE RESISTANCE:** (0 = Not Tested, 1 = Susceptible, 2 = Moderately Susceptible, 3 = Moderately Resistant, 4 = Resistant)

<input type="text" value="3"/>	Southern Stem Rot	<input type="text" value="0"/>	CBR	<input type="text" value="2"/>	Early Leaf Spot	<input type="text" value="3"/>	Tomato Spotted Wilt Virus
<input type="text" value="2"/>	Late Leaf Spot	<input type="text" value="0"/>	Sclerotinia Blight	<input type="text" value="0"/>	Pod Rot Complex	<input type="text" value=""/>	Other (Specify) _____

8. **INSECT RESISTANCE:** (0 = Not Tested, 1 = Susceptible, 2 = Moderately Susceptible, 3 = Moderately Resistant, 4 = Resistant)

<input type="text" value="0"/>	Thrips	<input type="text" value="0"/>	Burrowing Bug	<input type="text" value="0"/>	Leaf Hopper	<input type="text" value="1"/>	Nematode (Specify species) <u>Root Knot</u>
<input type="text" value="0"/>	Southern Corn Rootworm	<input type="text" value="0"/>	Lesser Cornstalk Borer	<input type="text" value="0"/>	Aphid	<input type="text" value=""/>	Other (Specify) _____

9. **COMPARISON OF SUBMITTED VARIETY WITH ONE OR MORE SIMILAR VARIETIES:**

VARIETY	OIL* (%)	PROTEIN* (%)	OLEIC: * LINOLEIC ACID RATIO	IODINE* NUMBER	SHELLING (%)	SMK** (%)	ELK+ (%)	MAIN STEM HEIGHT (CM)
Submitted	46.7	25.2	30.4	75.8	76.3	67.9	30.9	36
Similar	48.6	27.3	39.2	74.4	75.9	68.0	36.5	40
Name of Similar Variety	Hull	C-99R	Hull	Hull	Hull	Hull	Hull	C-99R

* From Sound Mature Kernels

** Sound Mature Kernels

+ Extra Large Kernels

10. **INDICATE A VARIETY WHICH MOST CLOSELY RESEMBLES THAT SUBMITTED:**

CHARACTER	VARIETY	CHARACTER	VARIETY
Pod Color	C-99R	Seedling Vigor	C-99R
Seed Dormancy	C-99R	Hull Thickness	Hull
Seed Size	C-99R	Leaf Color	Hull

11. **COMMENTS:** (Additional description or clarification – such as: relative disease reactions may be compared with standard varieties)

Florida-07 has field resistance to tomato spotted wilt that is superior to that of Georgia Green.

Exhibit D – Optional Supporting Information (Florida-07)

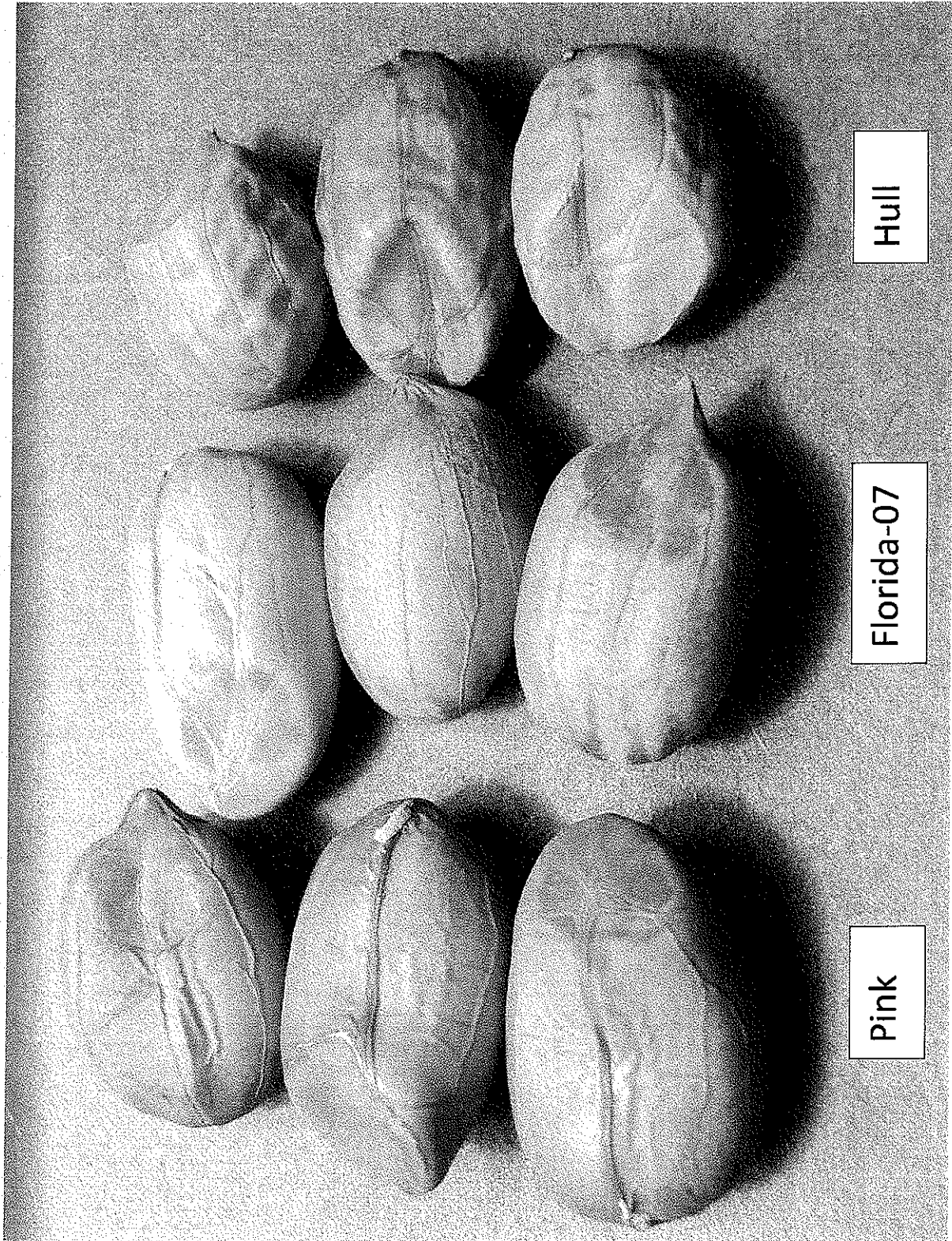
Florida-07 is a runner market-type peanut (*A. hypogaea hypogaea L.*) with prostrate (runner) growth habit. Plants have normal growth habit with medium dark green foliage color. Seed of Florida-07 are light pink, being somewhat darker in testa color than Hull and C-99R, but with similar shape and somewhat larger. Florida-07 has resistance to TSWV, white mold (*S. rolfsii*) and some resistance to late leafspot (*C. personatum*), similar to C-99R. The vine mass of Florida-07 is somewhat greater than Hull, but less than C-99R. Seed of Florida-07 has oil content of about 47% with high oleic fatty acid (18:1) content of 80%.

Table 2 gives pod yields and disease (leafspot and TSWV) ratings for leafspot studies at Marianna (2004-2006) with three different fungicide programs (no spray, 4 sprays, and 8 sprays) for leafspot control. Florida-07 performs similar to C-99R but had better pod yields, even with higher disease (leafspot). Results supports that Florida has some resistance to leafspot and a good level of tolerance. However Florida-07 did give a good pod yield response to increased leafspot fungicide applications (0-4-8 sprays). TSWV ratings for Florida-07 were not significantly different than for C-99R in these studies.

Table 3 gives results for white mold studies at Marianna (2006-2007). In replicated 4-row plots 2 rows were inoculated with *S. rolfsii* for white mold development and two rows were left uninoculated. Florida-07 was not significantly different than the resistant check, AP-3, for pod yields or disease ratings in the studies. Florida-07 has significantly better pod yields (inoculated and not inoculated) with less disease (inoculated) than the susceptible Georgia Green. These results support the claim for resistance to *S. rolfsii* for Florida-07.

Table 4 shows a comparison of Florida-07 and Hull for pod yield, grade (TSMK), reaction to spotted wilt virus (TSWV), the percentage of sound mature kernels (SMK) and the percentage shell-out. In comparison to Hull, Florida-07 has demonstrated consistently higher pod yield ($P>0.0001$), lower TSWV ratings ($P<0.0001$), and similar TSMK, SMK and shell-out percentage.

Table 5 shows a comparison of the oil chemistry of Florida-07 and Hull. Both cultivars are have high oleic oil chemistry. Florida-07 has lower total oil ($P=0.0132$) and a higher iodine value ($P=0.0075$).



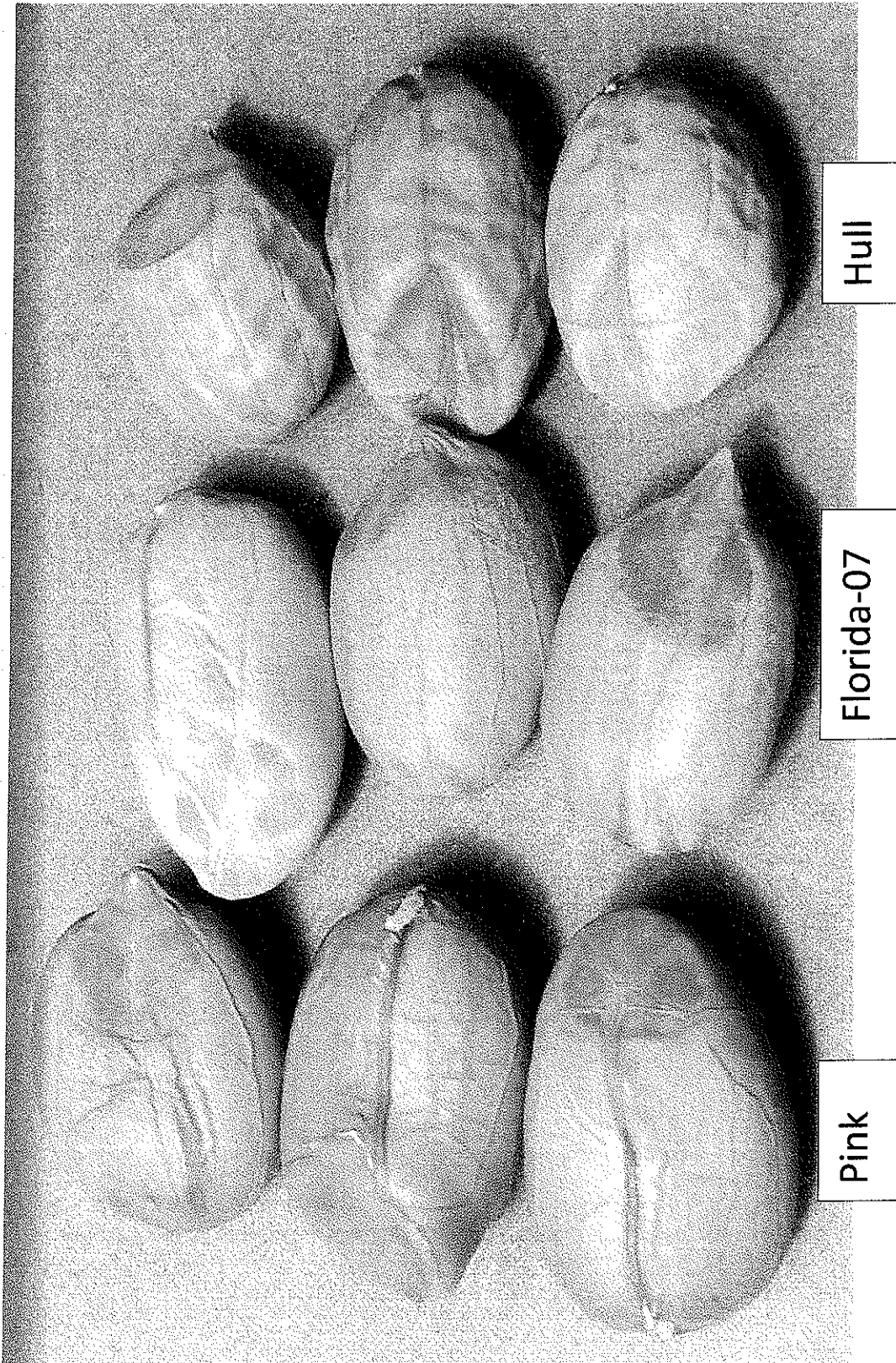


Table 2. Florida Leafspot test at Marianna (2004-2006)

Year	Entry	Yield (lbs/Acre)				Leafspot (1-10)				TSWV (1-10)			
		No Spray	4 Spray	8 Spray	Average	No Spray	4 Spray	8 Spray	Average	No Spray	4 Spray	8 Spray	Average
2004	C-99R	3838 d	4894 b	5010 b	4580 b	6.8 b	5.0 d	2.5 f	4.8 b	2.5 bc	2.5 bc	3.0 b	2.7 a
	DP-1	4071 cd	4927 b	5019 b	4672 ab	3.8 e	2.5 f	1.8 g	2.7 c	2.0 c	3.0 b	2.3 c	2.4 a
	Florida-07	3863 d	5160 b	6302 a	5108 a	9.0 a	6.0 c	2.5 f	5.8 a	3.8 a	2.3 c	2.5 bc	2.8 a
	York	3896 d	4792 bc	4424 bcd	4370 b	3.8 e	2.3 fg	1.8 g	2.6 c	2.5 bc	2.3 c	3.0 b	2.6 a
	LSD:	773			446	0.7			0.4	0.7			0.4
2005	Mean:	3917 b	4943 a	5189 a	4683	5.8 a	3.9 b	2.1 c	4.0	2.7 a	2.5 a	2.7 a	2.6
	LSD:	738				0.7				0.3			
	C-99R	2101 cd	3185 b	3054 b	2780 b	6.5 b	2.5 f	2.0 g	3.7 b	3.5 ab	3.5 ab	4.0 a	3.7 a
	DP-1	2125 cd	2807 b	2682 bc	2538 b	4.3 c	2.5 f	1.8 g	2.8 c	3.8 ab	3.8 ab	3.5 ab	3.7 a
	Florida-07	1820 d	3205 b	3190 b	2738 b	9.0 a	3.3 e	2.0 g	4.8 a	3.8 ab	3.5 ab	3.5 ab	3.6 a
2006	York	2841 b	4047 a	3248 b	3378 a	3.8 d	2.0 g	2.0 g	2.6 d	4.0 a	2.5 b	3.0 ab	3.2 a
	LSD:	655			378	0.3			0.2	1.3			0.8
	Mean:	2221 b	3311 a	3043 ab	2858	5.9 a	2.6 b	1.9 c	3.5	3.8 a	3.3 a	3.5 a	3.5
	LSD:	1078				0.4				0.7			
	C-99R	2502 e	2236 e	2735 de	2491 c	4.8 b	2.5 d	1.8 ef	3.0 b	3.0 a	2.0 b	2.0 b	2.3 a
Overall	DP-1	2633 e	3064 de	3064 de	2920 c	3.8 c	2.0 def	1.5 f	2.4 c	2.0 b	2.0 b	1.5 c	1.8 b
	Florida-07	4022 bc	4845 b	5905 a	4924 a	8.0 a	3.3 c	1.5 f	4.3 a	2.0 b	2.0 b	1.5 c	1.8 b
	York	3557 cd	4424 bc	4221 bc	4067 b	3.5 c	2.3 de	1.5 f	2.4 c	2.0 b	1.5 c	1.8 bc	1.8 b
	LSD:	904			522	0.6			0.3	0.4			0.2
	Mean:	3179 b	3642 ab	3981 a	3600	5.0 a	2.5 b	1.6 c	3.0	2.3 a	1.9 ab	1.7 b	1.9
Overall	LSD:	484				0.5				0.4			
	C-99R	2814 e	3438 cde	3600 cd	3284 b	6.0 b	3.3 d	2.1 ef	3.8 b	3.0 ab	2.7 bcd	3.0 ab	2.9 a
	DP-1	2943 e	3599 cd	3588 cd	3377 b	3.9 c	2.3 e	1.7 f	2.6 c	2.6 bcd	2.9 abc	2.4 de	2.6 ab
	Florida-07	3235 de	4403 b	5132 a	4257 a	8.7 a	4.2 c	2.0 ef	4.9 a	3.2 a	2.6 bcd	2.5 cde	2.8 ab
	York	3431 cde	4421 b	3964 bc	3939 a	3.7 cd	2.2 ef	1.8 f	2.5 c	2.8 abcd	2.1 e	2.6 bcd	2.5 b
Overall	LSD:	636			367	0.6			0.3	0.5			0.3
	Mean:	3106 b	3965 a	4071 a		5.6 a	3.0 b	1.9 c		2.9 a	2.6 b	2.6 b	
	LSD:	292				0.4				0.2			

Table 3. White Mold Studies at Marianna (2006-2007)

Entry	Yield (lbs/Acre)						White Mold Rating (underground)					
	2006			2007			2 year average			2006		
	Inoc.	No Inoc.	% Loss	Inoc.	No Inoc.	% Loss	Inoc.	No Inoc.	% Loss	Inoc.	No Inoc.	No Inoc.
AP-3	3398 cd	4104 ab	17	2136 c	4272 a	50	2767 cde	4188 a	34	2.7 e	1.7 e	5.0 c
AP-4	2158 fg	4501 a	52	2123 c	3098 b	31	2141 ef	3800 ab	44	6.0 bc	1.0 e	5.0 c
Florida-07	3011 de	4508 a	33	2159 c	4130 a	48	2585 de	4319 a	40	4.0 de	1.0 e	5.7 bc
Georgia Green	749 h	3585 bcd	79	561 d	2130 c	74	655 g	2857 cd	77	8.7 a	1.3 e	8.3 a
Georgia-03L	2591 ef	3646 bcd	29	1042 d	2933 b	64	1817 f	3290 bc	45	4.7 cd	1.3 e	6.2 bc
McCloud	1600 g	3775 bc	58	2046 c	3917 a	48	1823 f	3846 ab	53	7.3 ab	1.0 e	6.8 b
LSD:	648			725			651			1.7		1.4
Mean:	2251 b	4020 a	45	1678 b	3413 a	53	1965 b	3717 a	49	5.6 a	1.2 b	6.4 a
LSD:	265			296			266			0.7		0.6

Table 4. Performance of Florida-07 compared to Hull over 3 years and 3 locations in Florida.

Location	Year	Entry	Pod Yield		TSWV			TSMK			SMK			Shelling		
			lbs/A	% of Hull tests	rating	% of Hull tests	# of tests	%	% of Hull tests	# of tests	%	% of Hull tests	# of tests	%	% of Hull tests	# of tests
Gainesville	2004	Florida-07 Hull	6986	145	2.8	67	2	78.1	100	2	73.6	97	2	79.2	100	2
			4856		4.1			78.1			76.1			78.9		
	2005	Florida-07 Hull	5642	136	3.3	84	2	75.1	104	2	69.8	105	2	78.1	102	2
			4147		4.0			72.3			66.8			76.3		
Jay	2006	Florida-07 Hull	5440	97	2.3	233	1	79.2	99	1	69.6	102	1	81.2	101	1
			5592		1.0			79.8			68.2			80.8		
Mariana	2005	Florida-07 Hull	3204	132	2.3	70	1									
			2433		3.3											
	2006	Florida-07 Hull	4424	151	2.0	60	1									
			2936		3.3											
Overall	2004	Florida-07 Hull	5470	109	2.4	86	6	73.7	99	6	67.9	99	6	75.9	99	6
			4699		2.9			74.5			68.6			76.4		
			3413	143	3.4	63	6	72.5	101	6	65.1	100	6	74.2	101	6
			2441		5.5			71.8			65.4			73.2		
Overall	2005	Florida-07 Hull	4975	121	2.3	71	3	75.7	100	2	67.8	101	2	77.0	101	2
			4207		3.4			75.8			67.2			76.3		
Overall	2006	Florida-07 Hull	4843	22	2.8	<0.0001	22	74.4	0.6666	19	67.9	0.8533	19	76.3	0.0709	19
			3838		3.8			74.2			68.0			75.9		

Table 5. Performance of Florida-07 compared to Hull over 2 years and 3 locations in Florida.

Location	Year	Total Oil			Oleic			Linoleic			Oleic/Linoleic Ratio			Iodine Value		
		%	% of Hull	# of tests	%	% of Hull	# of tests	%	% of Hull	# of tests	%	% of Hull	# of tests	%	% of Hull	# of tests
Gainesville	2004 Florida-07 Hull	46.6	95	2	80.9	101	2	2.8	140	2	30.1	76	2	75.9	102	2
		49.3			80.4			2.0			39.7			74.1		
	2005 Florida-07 Hull	46.4	93	2	81.6	102	2	1.9	115	2	43.5	133	2	74.4	100	1
Marianna	2006 Florida-07 Hull	49.9			80.2			2.4			49.9			74.4		
		44.9	94	1	80.7	101	1	2.0	125	1	39.9	79	1	74.7	102	2
	2004 Florida-07 Hull	48.0			80.0			1.6			50.3			73.3		
	2005 Florida-07 Hull	49.9	97	2	81.8	106	2	3.1	55	2	26.9	196	2	77.0	100	2
		51.5			77.1			5.6			14.0			77.3		
	2006 Florida-07 Hull	46.3	98	6	78.9	98	3	4.2	218	3	21.1	52	3	76.3	104	3
Overall	Florida-07 Hull	47.4			80.3			1.9			41.3			73.6		
		46.2	97	2	80.9	99	1	2.7	169	1	30.3	61	1	75.7	102	1
		47.6			81.5			1.6			49.9			74.4		
		$P > F$			$P > F$			$P > F$			$P > F$			$P > F$		
		46.7	0.0132	15	80.6	0.3100	11	3.0	0.5883	11	30.4	0.1625	11	75.8	0.0075	11
		48.6			79.8			2.6			39.2			74.4		

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). The information is held confidential until the certificate is issued (7 U.S.C. 2426).

EXHIBIT E
STATEMENT OF THE BASIS OF OWNERSHIP

1. NAME OF APPLICANT(S) Florida Agricultural Experiment Station	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER UF04327	3. VARIETY NAME Florida-07
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country) Office of the Dean for Research 1022 McCarty Hall PO Box 110200 Gainesville, FL 32611-0200	5. TELEPHONE (Include area code) (352) 392-1784	6. FAX (Include area code) (352) 392-4965
7. PVPO NUMBER #200800069		

8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block. If no, please explain. ☒ YES ☐ NO9. Is the applicant (individual or company) a U.S. national or a U.S. based company? If no, give name of country. ☒ YES ☐ NO10. Is the applicant the original owner? ☒ YES ☐ NO If no, please answer one of the following:

a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. National(s)?

☒ YES ☐ NO If no, give name of country

b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company?

☒ YES ☐ NO If no, give name of country

11. Additional explanation on ownership (Trace ownership from original breeder to current owner. Use the reverse for extra space if needed):

Florida-07 was developed by Daniel W. Gorbet and Barry L. Tillman, Professor and Peanut Breeder and Assistant Professor and Peanut Breeder, respectively, both employed by the University of Florida, Institute of Food and Agricultural Sciences.

PLEASE NOTE:

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 0.1 hour per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MD 20705

EXHIBIT F
DECLARATION REGARDING DEPOSIT

NAME OF OWNER (S) Florida Agricultural Experiment Station	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country) Office of the Dean for Research, University of Florida, IFAS 1022 McCarty Hall, P.O. Box 110200 Gainesville, FL 32611-0200	TEMPORARY OR EXPERIMENTAL DESIGNATION UF04327 VARIETY NAME Florida-07
NAME OF OWNER REPRESENTATIVE (S) Barry L. Tillman and Daniel W. Gorbet	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country) North Florida REC 3925 Hwy. 71 Marianna, FL 32446	FOR OFFICIAL USE ONLY PVPO NUMBER #200800069

I do hereby declare that during the life of the certificate a viable sample of propagating material of the subject variety will be deposited, and replenished as needed periodically, in a public repository in the United States in accordance with the regulations established by the Plant Variety Protection Office.

Signature

Date